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TOWCESTER RURAL DISTRICT

ANNUAL REPORT

of the

Medical Officer of Health

for the

Year 1946

D. A. McCracken, M.D.



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## SUMMARY OF VITAL STATISTICS, 1946.

|  |     |     |     |     |     |                                 |         |
|--|-----|-----|-----|-----|-----|---------------------------------|---------|
| Area (acres)   | ... | ... | ... | ... | ... | ...                             | 59,005  |
| Population 1931 (census) Potterspury and Towcester R.Ds. |     |     |     |     |     |                                 | 13,458  |
| „ 1946 (Mid-year Estimate, Registrar-General)            | ... |     |     |     |     |                                 | 13,490  |
| Number of separate dwellings occupied 1931 (census)      |     |     |     |     |     |                                 |         |
|  |     |     |     |     |     | Potterspury and Towcester R.Ds. | 3,771   |
| „ „ „ „ occupied 1946                                    | ... | ... | ... |     |     |                                 | 4,449   |
| Rateable value 1946                                      | ... | ... | ... | ... | ... | ...                             | £52,884 |
| Product of a penny rate, 1946                            | ... | ... | ... | ... | ... | ...                             | £204    |

| <b>Live Births</b> |     |     |     |     | <i>Total</i> | <i>Male</i> | <i>Female</i> | <i>Rate</i>  |
|--------------------|-----|-----|-----|-----|--------------|-------------|---------------|--------------|
| Legitimate         | ... | ... | ... | ... | 253          | 143         | 110           |              |
| Illegitimate       | ... | ... | ... | ... | 20           | 9           | 11            |              |
|                    |     |     |     |     |              |             |               | <b>20.24</b> |
|                    |     |     |     |     | 273          | 152         | 121           |              |

| <b>Stillbirths.</b> |     |     |     |     | <i>Total</i> | <i>Male</i> | <i>Female</i> | <i>Rate</i> |
|---------------------|-----|-----|-----|-----|--------------|-------------|---------------|-------------|
| Legitimate          | ... | ... | ... | ... | 13           | 7           | 5             |             |
| Illegitimate        | ... | ... | ... | ... | —            | —           | —             |             |
|                     |     |     |     |     |              |             |               | <b>0.96</b> |
|                     |     |     |     |     | 13           | 7           | 5             |             |

|                            |     |     |     |  | <i>Total</i> | <i>Male</i> | <i>Female</i> | <i>Rate</i>  |
|----------------------------|-----|-----|-----|--|--------------|-------------|---------------|--------------|
| <b>Deaths</b> (all causes) | ... | ... | ... |  | 178          | 84          | 94            | <b>13.19</b> |

### Deaths from Puerperal Causes.

|                                    |     |     |     |  |  |  |  |             |
|------------------------------------|-----|-----|-----|--|--|--|--|-------------|
| Puerperal and post-abortive sepsis | ... | ... | ... |  |  |  |  | <i>Nil.</i> |
| Other maternal causes              | ... | ... | ... |  |  |  |  | 1           |

### Infant Mortality—rate per 1,000 live births.

|              |     |     |     |     |     |     |     |              |
|--------------|-----|-----|-----|-----|-----|-----|-----|--------------|
| Legitimate   | ... | ... | ... | ... | ... | ... | ... | 43.47        |
| Illegitimate | ... | ... | ... | ... | ... | ... | ... | 100.00       |
|              |     |     |     |     |     |     |     |              |
| Total        | ... | ... | ... | ... | ... | ... | ... | <b>47.25</b> |

|                                      |     |     |     |  |  |  |  |             |
|--------------------------------------|-----|-----|-----|--|--|--|--|-------------|
| <b>Deaths from</b> Cancer (all ages) | ... | ... | ... |  |  |  |  | 29          |
| „ „ Measles (all ages)               | ... | ... | ... |  |  |  |  | <i>Nil.</i> |
| „ „ Whooping Cough                   | ... | ... | ... |  |  |  |  | 1           |
| „ „ Diarrhoea (under 2 years)        | ... | ... | ... |  |  |  |  | <i>Nil.</i> |

# Towcester Rural District Council.

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## *Members of the Public Health and Housing Committee :*

Messrs. W. T. GROOM (Chairman), S. NORTH (Vice-Chairman),  
G. A. BILLING, A. BOOT, Rev. H. C. CARPENTER, E. W. COLBOURNE,  
J. A. GARLICK, C. E. IVENS, MAJOR R. W. LEWIS, N. G. OSBORNE,  
J. T. PINKARD, R. L. C. RIDGWAY, C.C., A. K. TATTERSALL.

*The Chairman and Vice-Chairman of the Council are ex-officio members  
of the Committee.*

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## *Public Health Officers of the Local Authority :*

Medical Officer of Health,

DAVID ANDREW MCCrackEN, M.D., Ch.B., D.P.H.,

*also holds appointments of*

Deputy County Medical Officer of Health,

Deputy School Medical Officer.

Medical Officer, Kettering Venereal Diseases Treatment Centre.

## Sanitary Inspector :

DAVID JOSEPH POWELL, B.Sc., C.S.I.A.

## Surveyor and Architect :

GEORGE BERRIDGE, M.Inst., R.A., A.I.A.A.

TOWCESTER,

*October, 1947.*

**To the Chairman and Councillors of the Rural District of Towcester.**

MR. CHAIRMAN, MY LORD, MRS. JELLY AND GENTLEMEN,

I have the honour to present for your consideration the Annual Report on the health and sanitary circumstances of the District for the year ended 31st December, 1946.

The vital statistics are generally satisfactory. The birthrate increased to 20.24 as compared with 18.14 in 1945. This is the first occasion since 1921 that the birthrate has exceeded 20.00 per thousand of population. It is 1.14 in excess of the rate for England and Wales. The number of births registered exceeded the deaths by 95. Deaths totalled 178, representing 13.19 per thousand, which is 1.69 in excess of the rate for the country as a whole. The infant mortality rate is 4.25 in excess of that for England and Wales, and 10.39 for the Administrative County. It is noteworthy, however, that 10 of the 13 infant deaths occurred within one month of birth. These neonatal deaths are the hard kernel of the infant mortality rate.

No outbreaks of infectious diseases occurred which require special mention. Diphtheria immunisation progressed satisfactorily.

The continued and sustained efforts of the Council to obtain comprehensive water and sewage disposal schemes progressed somewhat tardily, but definite progress in the realisation of these essential public services began to take shape towards the end of the year. The standard of life in rural areas is related to these two major necessities of modern civilisation and the completion of the schemes cannot come too quickly for those who have the well-being and prosperity of the rural district at heart.

The separation of the Surveyor's Department from that of the Sanitary Inspector's Department has shown itself to be an administrative improvement, whereby the scope and detailed sanitation work has received more attention.

I again acknowledge with pleasure the continued support received from the Council, and the willing helpful assistance which it is my good fortune to enjoy from all my colleagues.

I have the honour to be,

Your obedient Servant,

D. A. McCRACKEN,

*Medical Officer of Health.*



## SECTION A.

### NATURAL AND SOCIAL CONDITIONS.

**Social Conditions**—The employed population is engaged mainly in agricultural work. Light iron founding is carried on at Towcester whilst oxides for pigment production are manufactured at Deanshanger. Owing to the difficulty in obtaining female labour in the closing departments of some of the boot factories in Northampton, a few small satellite closing works have been established in the district.

**Area**—The area of the district is 5,905 acres.

**Population**—The Registrar-General has estimated the resident population for the mid-year 1946 to have been 13,490 persons.

**Deaths**—The total number of deaths assigned to the district by the Registrar-General after adjustment for outward and inward transferable deaths was 178, as compared with 174 in 1945. The crude death rate based on the estimated population was 13.19 per thousand as compared with 12.88 for 1945. The following table shows the death rates for the quinquennium 1942-46, together with corresponding rates for England and Wales and the Administrative County. "Comparability factors" for the standardisation of the death rates are not available.

#### Death Rates 1942-46.

|                       | 1942  | 1943  | 1944  | 1945  | 1946  |
|-----------------------|-------|-------|-------|-------|-------|
| Towcester R.D. ...    | 10.47 | 14.23 | 14.04 | 12.88 | 13.19 |
| Administrative County | 11.02 | 12.29 | 12.60 | 12.34 | 12.00 |
| England and Wales ... | 11.60 | 12.10 | 11.60 | 14.40 | 11.50 |

A list of the causes of death classified according to the International List of Causes of Death (1938) is given in Table No. 1, page 19, whilst the history of the rate, together with other vital statistics for 1919-46, is shown in Table No. 3, page 20.

**Birth Rate**—The number of live births assigned to the district was 273 (152 males, 121 females) as compared with 228 in 1945, thus giving a rate of 20.24 per thousand of population as compared with 16.14 for the previous year. The following table shows the trend of the birthrate for 1942-46, with other rates for comparison :

#### Birth Rate 1942-46.

|                       | 1942  | 1943  | 1944  | 1945  | 1946  |
|-----------------------|-------|-------|-------|-------|-------|
| Towcester R.D. ...    | 17.40 | 18.55 | 17.67 | 16.14 | 20.24 |
| Administrative County | 16.66 | 17.91 | 20.07 | 18.98 | 19.17 |
| England and Wales ... | 15.80 | 16.50 | 17.60 | 16.10 | 19.10 |



**Stillbirth Rate**—The number of stillbirths registered was 13 (all legitimate) as compared with 4 in 1945. This number is equivalent to 0.96 per thousand of population, as compared with 0.53 for England and Wales. The rates per thousand total births for 1942-46, together with corresponding rates for England and Wales were as follows :

**Stillbirth Rate 1942-46.**

|                   |     | 1942  | 1943  | 1944  | 1945  | 1946  |
|-------------------|-----|-------|-------|-------|-------|-------|
| Towcester R.D.    | ... | 39.37 | 23.07 | 32.00 | 17.24 | 45.93 |
| England and Wales | ... | 33.20 | 30.10 | 27.70 |       |       |

**Illegitimate Birth Rate**—Twenty illegitimate live births were registered as compared with twenty-three in the previous year. This number gives a rate of 73.26 per thousand live births, as compared with 100.85 for 1945.

**Maternal Mortality**—One death was ascribed to “other maternal causes”. The patient died from pelvic cellulitis due to a streptococcal infection following a non-instrumental delivery 26 days previously.

**Infant Mortality**—The number of infants who died before attaining their first birthday was 13 (6 males, 7 females). Two females were illegitimate. The equivalent rate per thousand live births was 47.25, which is a figure in excess of that for the Country as a whole. The rates for 1942-46, together with other rates for comparison are :

**Deaths under one year per thousand live Births.**

|                       |     | 1942  | 1943  | 1944  | 1945  | 1946  |
|-----------------------|-----|-------|-------|-------|-------|-------|
| Towcester R.D.        | ... | 49.18 | 55.11 | 30.01 | 22.80 | 47.25 |
| Administrative County |     | 34.50 | 40.38 | 38.00 | 39.17 | 36.86 |
| England and Wales     | ... | 40.00 | 49.00 | 46.00 | 46.00 | 43.00 |

**Neonatal Deaths**—This sub-division of the infant mortality rate includes all infants who die within 28 days of independent existence. Ten of the thirteen babies who died in their first year of life were neonatal deaths.

The rates per thousand related live births, and the rates for England and Wales for 1942-46 were :

**Deaths under one month per thousand live Births.**

|                   |     | 1942  | 1943  | 1944  | 1945 | 1946  |
|-------------------|-----|-------|-------|-------|------|-------|
| Towcester R.D.    | ... | 24.52 | 31.46 | 27.79 | 4.38 | 37.39 |
| England and Wales | ... | 27.20 | 25.20 | 24.40 |      |       |

## SECTION B.

### GENERAL PROVISION OF HEALTH SERVICES.

**Laboratory Facilities**—The bacteriological work associated with the control of infectious disease is carried out by the Public Health Laboratory Service, whose laboratory at Northampton General Hospital is in charge of Dr. L. Hoyle. The bacteriological examination of the water supplies is also carried out by Dr. Hoyle. The milk supply is examined for cleanliness and keeping quality at the County Council Laboratory, Northampton, where the methylene blue, coliform and phosphatase tests are applied as required.

**Diphtheria Antitoxin**—A supply of antitoxin is available at the Town Hall, free of charge, to medical practitioners, for use in the district.

**Ambulance Facilities**—Non-infectious and accident cases are removed by the 27 h.p. Humber Ambulance maintained at Towcester by the Towcester Motor Ambulance Committee. The service provided meets the needs of the district. Under the National Health Service Act, 1946 (Section 27) the County Council will be the responsible “Local Health Authority” for providing a free ambulance service as from the appointed day.

**Nursing in the Home**—The following list gives details of the work which has been carried out by the Nursing Associations in the district, who make the services of their district nurse-midwives available for nursing in the home.

| <i>Association.</i>                               | <i>Cases Nursed.</i> |                  |                  | <i>Total<br/>Visits</i> |
|---|----------------------|------------------|------------------|-------------------------|
|   | <i>General</i>       | <i>Midwifery</i> | <i>Maternity</i> |                         |
| 1. Blakesley and District ...                     | 46                   | 15               | 13               | 2075                    |
| 2. Gayton ... ..                                  | 131                  | 34               | 7                | 4230                    |
| 3. Potterspury, Stoke Bruerne<br>and District ... | 43                   | 20               | 17               | 2675                    |
| 4. Towcester ... ..                               | 39                   | 28               | 11               | 2478                    |
| 5. Whittlebury ... ..                             | 82                   | 7                | 19               | 1816                    |
| 6. Wicken ... ..                                  | 82                   | 15               | 22               | 3052                    |
| TOTAL ... ..                                      | 423                  | 119              | 89               | 16,326                  |

**Hospitals**—There are no hospitals in the district.

**Nurseries**—The nursery at Duncote Hall administered by the County Council was closed in July.

**Treatment Centres and Clinics**—Child Welfare Centres provided by the County Council are held once monthly at Potterspury and Towcester. Expectant mothers in the Blisworth area attend a County Council Clinic in Northampton. An antenatal clinic is also held at Towcester once monthly.

**Hospital Accommodation for Infectious Diseases**—The Local Authority is one of the constituent authorities of the Western Northamptonshire Joint Isolation Hospital Board. Owing to staffing difficulties the hospital maintained by the Board at Staverton has been closed and patients are now sent by the Board to the Northampton Corporation Isolation Hospital, Harborough Road, Northampton or some other Infectious Diseases Hospital in the surrounding area.



## SECTION C.

### SANITARY CIRCUMSTANCES OF THE AREA.

**Water Supply**—The general position regarding water supplies is that the district is still without one which can be regarded as safe or sufficient for the needs of the inhabitants. Satisfactory progress, however, falls to be recorded in the provision of the comprehensive water scheme which was detailed in my report for 1945. The public local inquiry was held by an inspector of the Ministry of Health into the Council's proposals on the 1st August, 1946, in the Town Hall. At the time of writing, it is gratifying to record that the Minister has approved the scheme in principle, and asked for detailed specifications of the most urgent sections of the scheme.

Samples of water from twenty-four parishes were submitted to the Public Health Laboratory at Northampton for bacteriological examination. A scrutiny of the results of these examinations, which are detailed in Table 4, page 21, reveals that of 55 samples taken no less than 41 showed evidence of faecal pollution. The need for a comprehensive scheme which will be bacteriologically controlled at the source are thus self-evident.

The Ministry of Health, by Circular 13/47, directed that certain details as to parish supplies be included in this report. These details were placed on record in the report for 1945 and may be found in Tables No. 4—4C, pages 25-29 in that report. The following is a summary of the several supplies as at December, 1946 :

| <i>Estimated Population :</i>         | <i>Number of Houses :</i> |     |     | <i>Number of Farms :</i> |                  |
|---------------------------------------|---------------------------|-----|-----|--------------------------|------------------|
| 13,490                                | 4,449                     |     |     | 261                      |                  |
|                                       |                           |     |     | <i>No.</i>               | <i>Per cent.</i> |
| Houses with water laid on :           | ...                       | ... | ... | 1,954                    | 44               |
| Houses served by standpipes :         | ...                       | ... | ... | 1,142                    | 26               |
| Houses not in areas of piped supply : | ...                       | ... | ... | 1,353                    | 30               |
|                                       |                           |     |     | 4,449                    |                  |
|                                       |                           |     |     |                          |                  |
| Farms with water laid on :            | ...                       | ... | ... | 59                       | 22               |
| Farms outside areas of supply         |                           | ... | ... | 202                      | 78               |
|                                       |                           |     |     | 261                      |                  |



**Sewage Disposal, Drainage and Sewerage**—Public local inquiries were held at the Town Hall by inspectors of the Ministry of Health into the proposed schemes for Silverstone on 30th May, and for Deanshanger, Old Stratford, Cosgrove, Furtho, Potterspury, Wicken and Yardley Gobion on 31st May. Both schemes are urgently required, not only to remedy long-standing defects in sanitation but to give modern drainage facilities to the new housing estates now in the course of erection. Without a proper water carriage system of sewage disposal for the excellent houses being erected, the Council's tenants will be deprived of the full use of their modern homes. The standards of hygiene of the people are to a large degree determined by the ease with which a piped water supply and water carriage system of disposal of wastes are available.

**Disinfection**—The disinfection of bedding and clothing is carried out by means of a portable "Thresh" disinfecter. Concurrent and terminal disinfection is also carried out by means of gaseous and liquid disinfectants in houses where infectious disease is notified. Details of the work carried out are given in Table No. 5, page 22.

**Eradication of Bed Bugs**—No action was found necessary.

**Rats and Mice (Destruction) Act, 1919, Infestation Order, 1943**—

The Council approved the appointment of a rodent operative in September. During November-December, the operative carried out treatments at six sewage disposal works, twelve sewage outfall ditches, the central refuse tip and the Council's salvage store. The Towcester sewerage scheme had one full maintenance treatment and the Greens Norton sewerage system was test baited and a scheme submitted to the Ministry of Food for two initial treatments of the latter undertakings.

In addition, ten private dwellings and two business premises were treated. A number of surveys were carried out in connection with the "block" control system and the treatment of one of these areas comprising 19 dwellings was proceeding.

In the treatments already carried out, 150 bodies have been recovered, but it must be appreciated that an estimate of the success of any treatment is dependent rather on the "take" of poison bait than on the actual number of bodies found. The estimated kill on the basis of the Ministry of Food formula amounted to some 1,300.

**Public Cleansing**—The emptying of cess-pits and night soil buckets is carried out by means of a Dennis gully emptying vehicle which has a special device for dealing with buckets. Household refuse and salvage material is collected with a specially constructed refuse collection motor vehicle, assisted two days in one week, and three days in the following week by the Council's all-purpose open motor lorry. The scheme for the collection of refuse is as follows :

**Weekly Collection :**

Old Stratford, Deanshanger, Passenham ... on Mondays.  
Towcester ... ... on Thursdays.

**Fortnightly Collection :**

Cosgrove ... ... on alternate Mondays.  
Wicken ... ... on alternate Mondays.  
Pattishall, Cold Higham, Litchborough,  
Maidford, Adstone, Astcote, Eastcote,  
Dalscote ... ... on alternate Tuesdays.  
Potterspury, Paulerspury, Yardley Gobion ... on alternate Tuesdays.  
Weston, Wappenham, Abthorpe, Slapton,  
Bradden ... ... on alternate Wednesdays.  
Silverstone, Whittlebury ... ... on alternate Wednesdays.  
Wood Burcote, Grafton Regis, Alderton ... on alternate Thursdays.  
Stoke Bruerne, Shutlanger ... ... on alternate Thursdays.  
Caldecote, Greens Norton, Wood End,  
Blakesley ... ... on alternate Fridays.  
Hulcote, Tiffield, Blisworth ... ... on alternate Fridays.

Further details of the work carried out by the Sanitary Inspector are given in Table No. 5, page 22.



## SECTION D.

### HOUSING.

The magnitude of the Council's proposals for improving housing conditions in the district is without precedent. Many new houses are required for the ordinary needs of the district and an excellent start has been made in this direction. However, as the new houses, which are well-designed and equipped, are erected in the villages, the slum dwellings of which there are not a few stand out in relief and bring vividly to the notice of the observer the work awaiting the Council in the sphere of slum clearance.

The acuteness of the housing shortage is such that circumstances force the officers of the Council to recommend the requisitioning of condemned cottages. There are over 80 cottages let under the Defence (General) Regulations, 1939, 68A and 68AA.

At the end of the year, 32 sites with accommodation for 643 houses had received the approval of the Ministry of Health. Permanent traditional houses to the number of 45 had been completed by the end of the year. Four houses were built by private enterprise. The estate of 30 prefabricated bungalows adjoining Wood-Burcote Road, Towcester, was completed.

Two compulsory purchase orders, for the acquisition of land, *viz.*, Towcester Rural (Blisworth No. 1) Compulsory Purchase Order, 1946, and Towcester Rural (Potterspury No. 2) Compulsory Purchase Order, 1946, were the subjects of Public Local Inquiries by inspectors of the Ministry of Health held at the Town Hall on the 4th June and 28th November, 1946, respectively. Both orders were confirmed.

A survey of housing conditions as recommended in the Hobhouse Report, continued satisfactorily. From a total of 4,200 working class houses in the district, 2,980 had been surveyed, 757 of which were considered to be unfit for habitation and beyond repair at reasonable expense.

The Joint County Committee on Rural Housing, on which the Council are represented, drew the attention of Rural Councils to the special housing needs of tuberculous families. These families have always received sympathetic consideration by the Rural Councillors when letting houses, and the families, like myself, are grateful.

Statistical tables on the housing activities of the authority will be found on pages 23-24.

## SECTION E.

### INSPECTION AND SUPERVISION OF FOOD.

**Milk and Dairies Order, 1926**—The number of cowsheds on the register as at 31st December was 222, and the following inspections were carried out by the Sanitary Inspector :

|  |     |     |     |     |     |     |     |
|--|-----|-----|-----|-----|-----|-----|-----|
| Cowsheds                                   | ... | ... | ... | ... | ... | ... | 103 |
| Cowsheds, defects found and notices served | ... | ... | ... | ... | ... | ... | 43  |
| Cowsheds, reconstructed or reconditioned   | ... | ... | ... | ... | ... | ... | 11  |
| Milk samples taken                         | ... | ... | ... | ... | ... | ... | 59  |
| Total                                      |     |     |     |     |     |     | 216 |

**Milk Supply**—Samples of Milk taken during the course of delivery to the consumers have been submitted at regular intervals to the County Laboratory for examination as to cleanliness and keeping quality. The samples are submitted to a standardised methylene blue test to determine if the milk will be sufficiently fresh to be drinkable for some 24 hours after delivery to the consumer. The number of samples so submitted and the classification of the results were :

| <i>Classification.</i> | <i>No.</i> | <i>Per cent.</i> |
|------------------------|------------|------------------|
| Good                   | 37         | 63               |
| Moderate               | 14         | 24               |
| Poor                   | 8          | 13               |
| Total                  | 59         | —                |

The results of the tests showed that 63% of samples conformed to the prescribed test for accredited milk, and in general the results were more favourable than the reports for 1945, when 62% of samples were classified as good. The classification of the results is arbitrary and based on a County standard, since there are no prescribed tests for the bacteriological cleanliness and keeping quality of non-designated milk. Further details of the results of the tests are given in Table No. 8, page 25.

**Food Premises**—The following visits of inspection were made by the Sanitary Inspectors :



|                          |     |     |     |     |     |                |
|--------------------------|-----|-----|-----|-----|-----|----------------|
| Meat hawkers' vans       | ... | ... | ... | ... | ... | 12             |
| Fish hawkers' vans       | ... | ... | ... | ... | ... | 15             |
| Fried fish hawkers' vans | ... | ... | ... | ... | ... | 22             |
| Fruit hawkers' vans      | ... | ... | ... | ... | ... | 8              |
| Provision vans           | ... | ... | ... | ... | ... | 11             |
| Bakehouses               | ... | ... | ... | ... | ... | 20             |
| Total                    |     |     |     |     |     | <hr/> 88 <hr/> |

**Meat Inspection, etc.**—The number of premises where slaughtering was carried out was as follows :

|                            |     |     |     |     |     |                |
|----------------------------|-----|-----|-----|-----|-----|----------------|
| Slaughterhouses licenced   | ... | ... | ... | ... | ... | 4              |
| Slaughterhouses registered | ... | ... | ... | ... | ... | 23             |
| Total                      |     |     |     |     |     | <hr/> 27 <hr/> |

The following visits were paid to slaughterhouses and butchers' shops for the purposes of the Rural District Councils (Slaughterhouses) Order, 1924.

|                 |     |     |     |     |     |                 |
|-----------------|-----|-----|-----|-----|-----|-----------------|
| Slaughterhouses | ... | ... | ... | ... | ... | 102             |
| Butchers' shops | ... | ... | ... | ... | ... | 61              |
| Total           |     |     |     |     |     | <hr/> 163 <hr/> |

Details of the quantities of meat and other foods surrendered and destroyed are given in Table No. 9, page 25.

## SECTION F.

### PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES.

**Smallpox**—No cases were notified.

**Scarlet Fever**—Eleven cases were notified during the year as compared with five in 1945. The cases, which appeared to be of a mild clinical type, were notified in five parishes and no deaths occurred. The incidence of notifications amounted to 0.60 per thousand as compared with 1.38 per thousand for England and Wales.

**Diphtheria**—One case was notified in an adult non-immunised female in the Parish of Pattishall. The disease was of a mild type and recovery took place.

**Diphtheria Immunisation**—The arrangement described in the annual reports for 1939-42 continued to function satisfactorily. Much of the success of the scheme in the district is due to the continued and sustained educational work of the County Council's Health Visitor, who finds that it is now an isolated occasion when a parent refuses to take advantage of the scheme. Under the National Health Service Act, 1946, Section 26, the full responsibility for diphtheria immunisation will pass to the County Council on the appointed day as the "Local Health Authority", who are charged with administering the new Health Act. The following table gives details of the progress of immunisation amongst the child population as at 31st December, 1946 :

#### Immunisation in Relation to Child Population.

Number of Children who had completed a full course of Immunisation at any time up to 31 December, 1946

| Age at<br>31.12.46<br>i.e. Born in<br>Year ... | <i>Under</i><br>1 | 1    | 2    | 3    | 4    | 5 to 9    | 10 to 14  | <i>Total</i>    |
|--|-------------------|------|------|------|------|-----------|-----------|-----------------|
|  | 1946              | 1945 | 1944 | 1943 | 1942 | 1937-1941 | 1932-1936 | <i>under 15</i> |
| Number<br><i>Immunised</i>                     | 5                 | 101  | 163  | 188  | 188  | 890       | 905       | 2440            |
| Estimated<br>mid-year<br>population<br>1946    | 1140              |      |      |      |      | 1910      |           |                 |

The above statistics take no account of the children immunised by private arrangement.

**Puerperal Pyrexia**—Two cases were notified under the Puerperal Pyrexia Regulations, 1939. Cases of pyrexia occurring amongst parturient women belonging to the district are not necessarily notified locally. Women who develop puerperal pyrexia whilst in hospital outside the district are notified to the Medical Officer of Health of the district where the hospital or nursing home is situate.

**Pneumonia**—Sixteen cases of acute primary pneumonia or acute influenzal pneumonia were notified as compared with twelve in 1945. The cases were distributed in nine parishes, and the incidence of notification was 1.18 per thousand as compared with 0.89 per thousand of population for the country as a whole. “Pneumonia” was the certified cause of death in thirteen cases. These deaths are not necessarily those of patients who are notified under the relevant regulations.

**Erysipelas**—No cases were notified as compared with three in 1945.

**Measles**—The year 1946 was not a measles year, and only 34 cases were notified from five parishes. The heaviest incidence occurred in the parish of Yardley Gobion which had twelve cases. The case morbidity was 2.52 per thousand as compared with 3.92 for England and Wales. There were no deaths.

**Whooping Cough**—Forty-three cases were notified amongst ten parishes, as compared with sixty-nine amongst twelve parishes in 1945. Fourteen cases occurred in the parish of Yardley Gobion; thirteen in Passenham, whilst in no other parish affected did the number exceed three. The incidence notifications amounted to 3.18 per thousand as compared with 2.28 per thousand for England and Wales. One child aged four months died from the disease.

**Tuberculosis**—Two new cases of pulmonary tuberculosis (1 male, 1 female) were notified as compared with eleven in 1945. No case of non-pulmonary tuberculosis was notified. One male and three females died from phthisis during the year. At the end of the year there were sixty-seven persons in the district known to be suffering from tuberculosis (forty-six pulmonary and twenty-one non-pulmonary). The age and sex incidence of new cases and deaths from the disease are given in Table No. 13, page 28.

The number of deaths together with the crude death rate during the quinquennium 1942-46, and those for the administrative county, are as follows :



### Tuberculosis Mortality.

|                    | 1942      | 1943      | 1944      | 1945      | 1946      |
|--------------------|-----------|-----------|-----------|-----------|-----------|
| Towcester R.D. ... | 0.142(2*) | 0.292(4*) | 0.219(3*) | 0.592(8*) | 0.222(4*) |
| Administrative     |           |           |           |           |           |
| County ...         | 0.492     | 0.502     | 0.621     | 0.580     | 0.450     |

\* *Number of deaths.*

No action was taken during 1946 under the Public Health (Prevention of Tuberculosis) Regulations, 1925 (relating to persons suffering from Tuberculosis employed in the Milk Trade) or under Section 172 of the Public Health Act, 1936 (relating to the compulsory removal to hospital of persons suffering from tuberculosis).

Full statistical details, showing age, monthly and parish incidence, etc., for infectious diseases and tuberculosis are shown in Tables Nos. 10—14, pages 26-28.



## SECTION G.

### STATISTICAL TABLES, 1946.

TABLE No. 1.

#### CAUSES OF DEATH, 1946.

| <i>Causes of Death</i> |  |     |     |     | <i>Male</i> | <i>Female</i> | <i>Total</i> |
|------------------------|--|-----|-----|-----|-------------|---------------|--------------|
| 1.                     | Typhoid and paratyphoid fevers                                   | ... | ... | ... | —           | —             | —            |
| 2.                     | Cerebro-spinal fever   | ... | ... | ... | —           | —             | —            |
| 3.                     | Scarlet Fever  | ... | ... | ... | —           | —             | —            |
| 4.                     | Whooping cough   | ... | ... | ... | —           | 1             | 1            |
| 5.                     | Diphtheria   | ... | ... | ... | —           | —             | —            |
| 6.                     | Tuberculosis of respiratory system                               | ... | ... | ... | 1           | 3             | 4            |
| 7.                     | Other forms of tuberculosis                                      | ... | ... | ... | —           | —             | —            |
| 8.                     | Syphilitic diseases  | ... | ... | ... | 1           | —             | 1            |
| 9.                     | Influenza  | ... | ... | ... | —           | —             | —            |
| 10.                    | Measles  | ... | ... | ... | —           | —             | —            |
| 11.                    | Acute polio-myelitis and polio-encephalitis                      | ... | ... | ... | —           | —             | —            |
| 12.                    | Acute infective encephalitis                                     | ... | ... | ... | —           | —             | —            |
| 13.                    | Cancer of buccal cavity and oesophagus (M) ;<br>uterus (F)       | ... | ... | ... | —           | 3             | 3            |
| 14.                    | Cancer of stomach and duodenum                                   | ... | ... | ... | 4           | 3             | 7            |
| 15.                    | Cancer of breast   | ... | ... | ... | —           | 1             | 1            |
| 16.                    | Cancer of all other sites  | ... | ... | ... | 10          | 8             | 18           |
| 17.                    | Diabetes   | ... | ... | ... | —           | 1             | 1            |
| 18.                    | Intra-cranial vascular lesions                                   | ... | ... | ... | 5           | 13            | 18           |
| 19.                    | Heart disease  | ... | ... | ... | 23          | 27            | 50           |
| 20.                    | Other diseases of circulatory system                             | ... | ... | ... | 2           | 2             | 4            |
| 21.                    | Bronchitis   | ... | ... | ... | 2           | 3             | 5            |
| 22.                    | Pneumonia  | ... | ... | ... | 6           | 7             | 13           |
| 23.                    | Other respiratory diseases                                       | ... | ... | ... | 1           | 1             | 2            |
| 24.                    | Ulcer of stomach or duodenum                                     | ... | ... | ... | 2           | —             | 2            |
| 25.                    | Diarrhoea under 2 years  | ... | ... | ... | —           | —             | —            |
| 26.                    | Appendicitis   | ... | ... | ... | —           | —             | —            |
| 27.                    | Other digestive diseases   | ... | ... | ... | 2           | 3             | 5            |
| 28.                    | Nephritis  | ... | ... | ... | —           | 2             | 2            |
| 29.                    | Puerperal and post-abortive sepsis                               | ... | ... | ... | —           | —             | —            |
| 30.                    | Other maternal causes  | ... | ... | ... | —           | 1             | 1            |
| 31.                    | Premature birth  | ... | ... | ... | 3           | 3             | 6            |
| 32.                    | Congenital malformations, birth injury and<br>infantile diseases | ... | ... | ... | 3           | 3             | 6            |
| 33.                    | Suicide  | ... | ... | ... | 2           | —             | 2            |
| 34.                    | Road traffic accidents   | ... | ... | ... | 4           | —             | 4            |
| 35.                    | Other violent causes   | ... | ... | ... | 3           | 1             | 4            |
| 36.                    | All other causes   | ... | ... | ... | 10          | 8             | 18           |
| ALL CAUSES             |  |     |     |     | 84          | 94            | 178          |

TABLE NO. 2.

CAUSES OF DEATH OF CHILDREN UNDER ONE YEAR, 1946.

| Causes of Death                         | Age in weeks |    |    |    |      | Total |
|---|--------------|----|----|----|------|-------|
|   | —1           | —2 | —3 | —4 | 5-52 |       |
| I. Congenital malformations ...         | —            | —  | —  | —  | 1    | 1     |
| II. Diseases of early infancy           |              |    |    |    |      |       |
| Congenital debility and icterus ...     | —            | —  | —  | —  | —    | —     |
| Premature birth ...                     | 8            | —  | 1  | —  | —    | 9     |
| Injury at birth ...                     | —            | —  | —  | —  | —    | —     |
| Atelectasis ...                         | 1            | —  | —  | —  | —    | 1     |
| Others ...                              | 1            | —  | —  | —  | —    | 1     |
| III. Diseases of Respiratory system ... | —            | —  | —  | —  | —    | —     |
| IV. Diseases of Digestive system ...    | —            | —  | —  | —  | —    | —     |
| V. Diseases of Nervous system ...       | —            | —  | —  | —  | —    | —     |
| VI. Tuberculous diseases ...            | —            | —  | —  | —  | —    | —     |
| VII. Infectious diseases ...            | —            | —  | —  | —  | 1    | 1     |
| VIII. Syphilis ...                      | —            | —  | —  | —  | —    | —     |
| IX. Overlaying ...                      | —            | —  | —  | —  | —    | —     |
| X. Other violence ...                   | —            | —  | —  | —  | —    | —     |
| XI. All other causes ...                | —            | —  | —  | —  | —    | —     |
| TOTALS ...                              | 10           | —  | 1  | —  | 2    | 13    |

TABLE NO. 3.

VITAL STATISTICS FOR 1946 AND PREVIOUS YEARS.

| Year  | Estimated Population | Births |       | Deaths       |       |          |       |
|-------|----------------------|--------|-------|--------------|-------|----------|-------|
|       |                      | No.    | Rate  | Under 1 year |       | All Ages |       |
|       |                      | No.    | Rate  | No.          | Rate  | No.      | Rate  |
| *1911 | 10,484               | —      | —     | —            | —     | —        | —     |
| 1919  | †9,387               | 156    | 16.61 | 7            | 44.87 | 158      | 17.53 |
|       | ‡9,011               |        |       |              |       |          |       |
| 1920  | 9,370                | 259    | 27.64 | 15           | 57.90 | 146      | 15.58 |
| *1921 | 9,920                | 211    | 21.27 | 21           | 99.52 | 131      | 13.20 |
| 1922  | 9,937                | 172    | 17.30 | 9            | 52.32 | 136      | 13.68 |
| 1923  | 9,944                | 171    | 17.19 | 9            | 52.63 | 120      | 12.06 |
| 1924  | 10,000               | 162    | 16.20 | 9            | 55.50 | 115      | 11.50 |
| 1925  | 9,959                | 150    | 15.06 | 8            | 53.33 | 123      | 12.35 |
| 1926  | 9,870                | 152    | 15.40 | 5            | 32.89 | 116      | 11.75 |
| 1927  | 9,887                | 144    | 14.56 | 8            | 55.55 | 115      | 11.63 |
| 1928  | 9,502                | 134    | 14.10 | 4            | 29.85 | 120      | 12.63 |
| 1929  | 9,398                | 139    | 14.79 | 6            | 43.16 | 138      | 14.68 |
| 1930  | 9,384                | 115    | 12.25 | 8            | 69.56 | 129      | 13.74 |
| *1931 | 9,324                | 131    | 14.04 | 7            | 53.43 | 104      | 11.11 |
| 1932  | 9,324                | 118    | 12.65 | 0            | 00.00 | 114      | 12.22 |
| 1933  | 9,271                | 147    | 15.85 | 4            | 27.21 | 96       | 10.35 |
| 1934  | 9,200                | 114    | 12.39 | 5            | 43.80 | 132      | 14.34 |
| 1935  | x13,155              | 180    | 13.67 | 7            | 38.88 | 181      | 13.75 |
| 1936  | 13,040               | 210    | 16.10 | 10           | 47.60 | 165      | 12.60 |
| 1937  | 12,900               | 170    | 13.20 | 9            | 52.90 | 197      | 15.30 |
| 1938  | 12,860               | 152    | 11.80 | 4            | 26.30 | 182      | 14.20 |
| 1939  | †12,930              | 184    | 14.20 | 5            | 27.11 | 170      | 13.06 |
|       | ‡13,020              |        |       |              |       |          |       |
| 1940  | 13,290               | 184    | 13.90 | 7            | 36.95 | 219      | 16.55 |
| 1941  | 14,750               | 203    | 13.80 | 14           | 68.96 | 211      | 14.31 |
| 1942  | 14,050               | 244    | 17.40 | 12           | 49.18 | 147      | 10.47 |
| 1943  | 13,690               | 254    | 18.55 | 14           | 55.11 | 193      | 14.23 |
| 1944  | 13,680               | 242    | 17.67 | 8            | 33.01 | 192      | 14.04 |
| 1945  | 13,500               | 228    | 16.14 | 5            | 22.80 | 174      | 12.88 |
| 1946  | 13,490               | 273    | 20.24 | 13           | 47.25 | 178      | 13.19 |

† Population for calculation of Birth-rates.

‡ Population for calculation of Death Rates.

x Potterspurry R.D. added to district.

\* Census years.

TABLE NO. 4.

## BACTERIOLOGICAL EXAMINATION OF WATER SUPPLIES.

| <i>Parish.</i>                    | <i>No. taken</i> |               | <i>Results.</i> |                   |            |   |
|-----------------------------------|------------------|---------------|-----------------|-------------------|------------|---|
|                                   | <i>Private</i>   | <i>Public</i> | <i>Good</i>     | <i>Suspicious</i> | <i>Bad</i> | <i>Faecal<br/>Pollution<br/>Present</i> |
| Abthorpe ... ..                   | 1                | 1             | —<br>1          | —<br>—            | 1<br>—     | 1<br>—                                  |
| Blakesley ... ..                  |                  | 1             | —               | 1                 | —          | 1                                       |
| Blisworth ... ..                  | 3                | 2             | —<br>—          | —<br>1            | 3<br>1     | 3<br>1                                  |
| Bradden ... ..                    |                  | 1             | —               | —                 | 1          | 1                                       |
| Cold Higham ...                   |                  | 1             | —               | —                 | 1          | 1                                       |
| Gayton ... ..                     | 1                | 1             | —<br>—          | —<br>1            | 1<br>—     | 1<br>—                                  |
| Grafton Regis ...                 | 1                | 3             | —<br>—          | —<br>—            | 1<br>3     | 1<br>3                                  |
| Greens Norton ...                 |                  | 1             | —               | —                 | 1          | 1                                       |
| Litchborough ...                  |                  | 1             | —               | 1                 | —          | 1                                       |
| Maidford ... ..                   |                  | 1             | —               | 1                 | —          | 1                                       |
| Passenham, Furtho<br>Cosgrove ... |                  | 1             | 1               | —                 | —          | —                                       |
| Pattishall ... ..                 | 4                | 3             | —<br>—          | —<br>—            | 4<br>3     | 4<br>3                                  |
| Paulerspury ... ..                |                  | 2             | 2               | —                 | —          | —                                       |
| Potterspury ... ..                |                  | 1             | 1               | —                 | —          | —                                       |
| Shutlanger ... ..                 |                  | 2             | —               | —                 | 2          | 2                                       |
| Slapton ... ..                    |                  | 2             | —               | 1                 | 1          | 1                                       |
| Stoke Bruerne ...                 |                  | 2             | —               | 1                 | 1          | 2                                       |
| Tiffield ... ..                   |                  | 2             | —               | —                 | 2          | 2                                       |
| Towcester ... ..                  | 2                | 3             | —<br>2          | 1<br>—            | 1<br>1     | 1<br>1                                  |
| Wappenham ... ..                  | 1                | 1             | —<br>—          | —<br>1            | 1<br>—     | 1<br>1                                  |
| Weston and Weedon                 | 1                | 5             | —<br>—          | —<br>2            | 1<br>3     | 1<br>3                                  |
| Wicken ... ..                     |                  | 1             | —               | —                 | 1          | 1                                       |
| Woodend ... ..                    | 1                | 1             | —<br>—          | —<br>—            | 1<br>1     | 1<br>1                                  |
| Yardley Gobion ...                |                  | 1             | —               | —                 | 1          | 1                                       |
| Total ... ..                      | 15               | 40            | 7               | 11                | 37         | 41                                      |



TABLE No. 5.

## SUMMARY OF SANITARY INSPECTIONS, ETC., 1946.

|   |     |     |     |     |     |             |
|---|-----|-----|-----|-----|-----|-------------|
| No. of visits and inspections                   | ... | ... | ... | ... | ... | 3,942       |
| Canal Boats inspected                           | ... | ... | ... | ... | ... | 6           |
| Slaughterhouses licensed                        | ... | ... | ... | ... | ... | 4           |
| Slaughterhouses on register                     | ... | ... | ... | ... | ... | 23          |
| Visits to slaughterhouses                       | ... | ... | ... | ... | ... | 102         |
| Visits to butchers' shops                       | ... | ... | ... | ... | ... | 61          |
| No. of Meat hawkers' vans inspected             | ... | ... | ... | ... | ... | 12          |
| No. of Fish hawkers' vans inspected             | ... | ... | ... | ... | ... | 15          |
| No. of Fruit hawkers' vans inspected            | ... | ... | ... | ... | ... | 8           |
| No. of Fried Fish hawkers' vans inspected       | ... | ... | ... | ... | ... | 22          |
| Provision vans inspected                        | ... | ... | ... | ... | ... | 11          |
| Bakehouses inspected                            | ... | ... | ... | ... | ... | 20          |
| Privies converted to pail closets               | ... | ... | ... | ... | ... | 2           |
| Pails to water closets                          | ... | ... | ... | ... | ... | 6           |
| Caravans inspected                              | ... | ... | ... | ... | ... | 8           |
| Cowsheds on register                            | ... | ... | ... | ... | ... | 222         |
| Cowsheds inspected                              | ... | ... | ... | ... | ... | 103         |
| Cowsheds, defects found and remedied            | ... | ... | ... | ... | ... | 43          |
| Cowsheds reconstructed and reconditioned        | ... | ... | ... | ... | ... | 11          |
| Outfall works cleaned out                       | ... | ... | ... | ... | ... | 41          |
| Settling tanks cleaned out                      | ... | ... | ... | ... | ... | 70          |
| Cesspools cleaned out                           | ... | ... | ... | ... | ... | 64          |
| Rooms disinfected                               | ... | ... | ... | ... | ... | 14          |
| Articles of clothing and bedding disinfected    | ... | ... | ... | ... | ... | 274         |
| Drains tested by water test                     | ... | ... | ... | ... | ... | 98          |
| Drains tested by smoke test                     | ... | ... | ... | ... | ... | 62          |
| Nuisances from untrapped drains                 | ... | ... | ... | ... | ... | 3           |
| Nuisances from blocked drains                   | ... | ... | ... | ... | ... | 36          |
| Nuisances from defects in houses                | ... | ... | ... | ... | ... | 107         |
| Nuisances from offensive ditches                | ... | ... | ... | ... | ... | 25          |
| No. of new Houses erected by private enterprise | ... | ... | ... | ... | ... | 4           |
| No. of new Houses erected by Council            | ... | ... | ... | ... | ... | 45          |
| No. of Prefabricated Houses erected by Council  | ... | ... | ... | ... | ... | 30          |
| Notices served :                                |     |     |     |     |     |             |
| Informal under S.92, Public Health Act, 1936    | ... | ... | ... | ... | ... | 9           |
| Statutory under S.92 of Public Health Act, 1936 | ... | ... | ... | ... | ... | <i>nil.</i> |



TABLE No. 6

## HOUSING.

## 1. Inspection of Dwelling-houses during the year—

|    |     |   |     |     |     |     |     |
|----|-----|---|-----|-----|-----|-----|-----|
| 1. | (a) | Number of dwelling-houses inspected for defects (under Public Health or Housing Acts)                                 | ... | ... | ... | ... | 141 |
|    | (b) | Inspections made for the purpose  | ... | ... | ... | ... | 214 |
| 2. | (a) | Number of dwelling-houses inspected and recorded under Housing Consolidated Reg. 1925/32                              | ... | ... | ... | ... | 45  |
|    | (b) | Inspections made for the purpose  | ... | ... | ... | ... | 50  |
| 3. |     | Number of dwelling-houses found to be in a state dangerous or injurious to health as to be unfit for human habitation | ... |     |     |     | 45  |
| 4. |     | Dwelling-houses (exclusive of those under preceding sub-head) not in all respects reasonably fit for habitation       | ... |     | ... | ... | 96  |

## 2. Remedy of Defects during the year without Service of Formal Notice—

Number of houses rendered fit in consequence of action by Local Authority or Officers :

|                   |     |     |     |     |     |     |      |
|-------------------|-----|-----|-----|-----|-----|-----|------|
| Housing Act       | ... | ... | ... | ... | ... | ... | nil. |
| Public Health Act | ... | ... | ... | ... | ... | ... | 94   |

## 3. Action under Statutory Powers during the year—

## A. Proceedings under Sections 9, 10 and 16 Housing Act, 1936.

|    |     |   |     |     |     |     |     |      |
|----|-----|---|-----|-----|-----|-----|-----|------|
| 1. |     | Dwelling-houses in respect of which notices were served requiring repairs | ... | ... | ... | ... | ... | nil. |
| 2. |     | Dwelling-houses rendered fit after service of formal notice.              |     |     |     |     |     |      |
|    | (a) | By owners   | ... | ... | ... | ... | ... | nil. |
|    | (b) | By Local Authority in default of owners                                   | ... |     | ... | ... | ... | nil. |

## B. Proceedings under Public Health Acts.

|    |     |  |     |     |     |     |     |      |
|----|-----|--|-----|-----|-----|-----|-----|------|
| 1. |     | Dwelling-houses in respect of which notices were served requiring defects to be remedied | ... | ... | ... | ... | ... | 13   |
| 2. |     | Dwelling-houses in which defects were remedied after service of formal notices—          |     |     |     |     |     |      |
|    | (a) | By owners  | ... | ... | ... | ... | ... | nil. |
|    | (b) | By Local Authority in default of owners  | ... |     | ... | ... | ... | nil. |

## C. Proceedings under Sections 11 and 13 of the Housing Act, 1936.

|    |  |  |     |     |     |     |      |
|----|--|--|-----|-----|-----|-----|------|
| 1. |  | Dwelling-houses in respect of Demolition Order | ... |     | ... | ... | nil. |
| 2. |  | Dwelling-houses demolished                     | ... | ... | ... | ... | nil. |

## D. Proceedings under Section 12 of the Housing Act, 1936.

|    |  |  |     |     |     |     |      |
|----|--|--|-----|-----|-----|-----|------|
| 1. |  | Separate tenements or underground rooms in respect of which Closing Orders were made                 | ... | ... | ... | ... | nil  |
| 2. |  | Number of separate tenements or underground rooms in respect of which Closing Orders were determined | ... | ... | ... | ... | nil. |

## 4. Housing Act, 1936—Part 4—Overcrowding—

|                                 |     |     |     |     |           |
|---------------------------------|-----|-----|-----|-----|-----------|
| Number of dwellings overcrowded | ... | ... | ... | ... | Not known |
|---------------------------------|-----|-----|-----|-----|-----------|

TABLE No. 7.

**SUMMARY OF HOUSING SURVEY FOR THE PERIOD ENDED  
31st DECEMBER, 1946.**

### A.—Survey of Existing Houses.

|     |  |        |           |
|-----|--|--------|-----------|
| 1.  | Estimated number of working class houses in the District   | ...    | 4,200     |
| 2.  | Number of houses surveyed to 31st December, 1946   | ... .. | 2,980     |
| 3.  | Results of Survey as revealed by Officers :—   |        |           |
| (a) | Satisfactory in all respects   | ... .. | 465       |
| (b) | Minor defects  | ... .. | 419       |
| (c) | Requiring repair, structural alteration or improvement—not eligible for assistance under the former Housing (Rural Workers) Acts | ... .. | 1,339     |
| (d) | Requiring repair, structural alteration or improvement—eligible for assistance under the former Housing (Rural Workers) Acts     |        | Not known |
| (e) | Unfit for human habitation and beyond repair at reasonable expense   | ... .. | 757       |
| (f) | Number of houses deemed to be overcrowded (for purposes of this statement it is not expected that the rooms will be measured)    |        | Not known |

### B.—Housing Programme.

|    |  |   |   |            |     |             |     |
|----|--|---|---|------------|-----|-------------|-----|
| 1. | Number of houses proposed to be erected as approved by the Ministry of Health to date  |   |   |            |     |             | 643 |
| 2. | (a)  | Number of sites concerning which lay-out plans and house plans have been approved by the Ministry of Health |   |            |     |             | 32  |
|    | (b)  | Number of houses contained in such approved lay-outs  |   |            |     |             | 643 |
| 3. | Superficial areas in plans approved, determined in accordance with paragraph 4 of the Standards for New Houses adopted by the Joint Committee :— |   |   |            |     |             |     |
|    | (a)  | Non-parlour type  | { | 2 bedrooms | ... | square feet | —   |
|    |  |   |   | 3 „        | ... | „ „         | —   |
|    |  |   |   | 4 „        | ... | „ „         | —   |
|    | (b)  | Parlour type  | { | 3 bedrooms | ... | „ „         | 900 |
|    |  |   |   | 4 „        | ... | „ „         | 911 |
|    |  |   |   | 5 „        | ... | „ „         | —   |
| 4. | (a)  | Number of houses for which tenders have been invited  |   |            |     |             | —   |
|    | (b)  | Number of houses for which negotiated prices have been obtained   |   |            |     |             | 218 |
| 5. | Number of houses the erection of which has begun   |   |   |            |     |             | 129 |

### D.—Temporary Accommodation.

|    |   |   |     |     |     |    |
|----|---|---|-----|-----|-----|----|
| 1. | (a)                                     | Have your Authority been allocated any temporary prefabricated houses, if so, state number and type | ... | ... | ... | 30 |
|    | (b)                                     | Number of sites secured   | ... | ... | ... | 1  |
| 2. | Local Authority's Site Preparation :—   |   |     |     |     |    |
|    | (a)                                     | Tenders invited ?   | ... | ... | ... | 30 |
|    | (b)                                     | Tenders accepted ?  | ... | ... | ... | 30 |
|    | (c)                                     | Works begun ?   | ... | ... | ... | 30 |
|    | (d)                                     | Sites completed   | ... | ... | ... | 1  |
| 3. | Number of houses in respect of which :— |   |     |     |     |    |
|    | (a)                                     | Assembly has been begun   | ... | ... | ... | 30 |
|    | (b)                                     | Assembly has been completed   | ... | ... | ... | 30 |

TABLE No. 8.

**SAMPLES OF MILK TAKEN FOR BACTERIOLOGICAL TESTS OF  
CLEANLINESS AND KEEPING QUALITIES, 1946.**

| <i>Month</i>  | <i>No.</i> | <i>Good</i> | <i>Moderate</i> | <i>Bad</i> |
|---------------|------------|-------------|-----------------|------------|
| January ...   | 6          | 6           | —               | —          |
| February ...  | 6          | 5           | —               | 1          |
| March ...     | 6          | 6           | —               | —          |
| April ...     | —          | —           | —               | —          |
| May ...       | 6          | 2           | 3               | 1          |
| June ...      | —          | —           | —               | —          |
| July ...      | 6          | 2           | 1               | 3          |
| August ...    | 6          | 2           | 2               | 2          |
| September ... | 5          | 4           | —               | 1          |
| October ...   | 6          | 3           | 3               | —          |
| November ...  | 12         | 7           | 5               | —          |
| December ...  | —          | —           | —               | —          |
| TOTALS ...    | 59         | 37          | 14              | 8          |

TABLE No. 9.

**FOOD SURRENDERED AND DESTROYED.**

|                         | <i>Tins</i> |
|-------------------------|-------------|
| Tinned Milk .....       | 96          |
| Tinned Fish .....       | 57          |
| Tinned Vegetables ..... | 39          |
| Tinned Syrup .....      | 2           |
| Tinned Fruit .....      | 4           |
| Tinned Soup .....       | 3           |
| Preserves .....         | 2           |

|                   | <i>Tons</i> | <i>cwts.</i> | <i>qrs.</i> | <i>lbs.</i>      |
|-------------------|-------------|--------------|-------------|------------------|
| Tinned Meat ..... | —           | —            | —           | 16 $\frac{3}{4}$ |
| Meat .....        | —           | 5            | 3           | 26               |
| Bacon .....       | —           | —            | 1           | 3                |
| Dried Fruit ..... | —           | —            | —           | 21               |
| Cheese .....      | —           | —            | —           | 15               |
| Cereals .....     | —           | 1            | —           | 11               |
| Tea .....         | —           | —            | —           | 5 $\frac{1}{2}$  |
| Fish .....        | —           | 2            | 3           | 21               |
| Butter .....      | —           | —            | —           | 4 $\frac{3}{4}$  |



TABLE NO. 10.

AGE INCIDENCE OF NOTIFIABLE DISEASES  
(Other than Tuberculosis) 1946.

| <i>Disease</i>    | —1 | —2 | —3 | —4 | —5 | —10 | —15 | —20 | —35 | —45 | —65 | 65+ | <i>All Ages</i> | <i>Removed to Hospital</i> | <i>Deaths</i> |
|-------------------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----------------|----------------------------|---------------|
| Measles ...       | 2  | 8  | 6  | 5  | 6  | 6   | —   | —   | 1   | 1   | —   | —   | 35              | —                          | —             |
| Whooping Cough    | 5  | 7  | 5  | 5  | 6  | 15  | —   | —   | —   | —   | —   | —   | 43              | —                          | 1             |
| Pneumonia ...     | 2  | 1  | —  | —  | 1  | —   | —   | —   | 3   | 3   | 3   | 3   | 16              | —                          | 13            |
| Scarlet Fever ... | —  | —  | —  | 3  | —  | 4   | 1   | 1   | 2   | —   | —   | —   | 11              | 5                          | —             |
| Diphtheria ...    | —  | —  | —  | —  | —  | —   | —   | —   | 1   | —   | —   | —   | 1               | 1                          | —             |
| Puerperal Pyrexia | —  | —  | —  | —  | —  | —   | —   | —   | 2   | —   | —   | —   | 2               | 1                          | 1             |
| Totals ...        | 9  | 16 | 11 | 13 | 13 | 25  | 1   | 1   | 9   | 4   | 3   | 3   | 108             | 7                          | 15            |

TABLE NO. 11.

MONTHLY INCIDENCE OF NOTIFIABLE DISEASES  
(Other than Tuberculosis) 1946.

| <i>Disease</i>    | JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER | TOTALS |
|-------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|--------|
| Measles ...       | 12      | 14       | 7     | 1     | —   | —    | —    | 1      | —         | —       | —        | —        | 35     |
| Whooping Cough    | 10      | 16       | 5     | —     | 4   | —    | 2    | 4      | 2         | —       | —        | —        | 43     |
| Pneumonia ...     | —       | 3        | 2     | 1     | 1   | 1    | 2    | —      | 1         | 1       | 1        | 3        | 16     |
| Scarlet Fever ... | 1       | 1        | —     | 1     | 2   | —    | 1    | 1      | 1         | —       | 1        | 2        | 11     |
| Diphtheria ...    | —       | —        | —     | —     | —   | —    | —    | 1      | —         | —       | —        | —        | 1      |
| Puerperal Pyrexia | 2       | —        | —     | —     | —   | —    | —    | —      | —         | —       | —        | —        | 2      |
| Totals ...        | 25      | 34       | 14    | 3     | 7   | 1    | 5    | 7      | 4         | 1       | 2        | 5        | 108    |

TABLE NO. 12.

## INCIDENCE OF NOTIFIABLE DISEASES

*(other than Tuberculosis)*

IN INDIVIDUAL PARISHES, 1946.

| <i>Parish</i>     | <i>Measles</i> | <i>Whooping<br/>Cough</i> | <i>Pneumonia</i> | <i>Scarlet<br/>Fever</i> | <i>Diphtheria</i> | <i>Puerperal<br/>Pyrexia</i> | <i>Total</i> |
|-------------------|----------------|---------------------------|------------------|--------------------------|-------------------|------------------------------|--------------|
| Abthorpe ...      | —              | 5                         | —                | —                        | —                 | —                            | 5            |
| Blisworth ...     | —              | 1                         | —                | —                        | —                 | —                            | 1            |
| Cosgrove ...      | —              | 2                         | 2                | —                        | —                 | 1                            | 5            |
| Grafton Regis ... | 1              | 2                         | —                | —                        | —                 | —                            | 3            |
| Greens Norton ... | —              | 3                         | 1                | 2                        | —                 | —                            | 6            |
| Litchborough ...  | —              | 1                         | 1                | —                        | —                 | 1                            | 3            |
| Passenham ...     | —              | 13                        | 3                | 3                        | —                 | —                            | 19           |
| Pattishall ...    | —              | —                         | 1                | —                        | 1                 | —                            | 2            |
| Paulerspury ...   | —              | —                         | 2                | 3                        | —                 | —                            | 5            |
| Potterspury ...   | 8              | —                         | 1                | 1                        | —                 | —                            | 10           |
| Silverstone ...   | —              | 1                         | —                | —                        | —                 | —                            | 1            |
| Slapton ...       | —              | —                         | —                | 2                        | —                 | —                            | 2            |
| Towcester ...     | 2              | —                         | —                | —                        | —                 | —                            | 2            |
| Wicken ...        | 6              | 1                         | 1                | —                        | —                 | —                            | 8            |
| Yardley Gobion    | 18             | 14                        | 4                | —                        | —                 | —                            | 36           |
| Totals ...        | 35             | 43                        | 16               | 11                       | 1                 | 2                            | 108          |

TABLE No.13.

NEW CASES OF AND DEATHS FROM TUBERCULOSIS, 1946.

| Age<br>Periods | NEW CASES   |        |                 |        | DEATHS      |        |                 |        |
|----------------|-------------|--------|-----------------|--------|-------------|--------|-----------------|--------|
|                | Respiratory |        | Non-respiratory |        | Respiratory |        | Non-respiratory |        |
|                | Male        | Female | Male            | Female | Male        | Female | Male            | Female |
| — 1            | —           | —      | —               | —      | —           | —      | —               | —      |
| — 5            | —           | —      | —               | —      | —           | —      | —               | —      |
| —15            | —           | —      | —               | —      | —           | —      | —               | —      |
| —25            | 1           | —      | —               | —      | —           | —      | —               | —      |
| —35            | —           | 1      | —               | —      | —           | 2      | —               | —      |
| —45            | —           | —      | —               | —      | 1           | 1      | —               | —      |
| —55            | —           | —      | —               | —      | —           | —      | —               | —      |
| —65            | —           | —      | —               | —      | —           | —      | —               | —      |
| 65+            | —           | —      | —               | —      | —           | —      | —               | —      |
| Totals         | 1           | 1      | —               | —      | 1           | 3      | —               | —      |

TABLE No. 14.

BIRTH RATES, CIVILIAN DEATH RATES, ANALYSIS OF MORTALITY AND  
CASES RATES FOR CERTAIN INFECTIOUS DISEASES FOR TOWCESTER  
RURAL DISTRICT AND ENGLAND AND WALES, 1946.

|                       |     |     |     |     | England and<br>Wales | Towcester |
|-----------------------|-----|-----|-----|-----|----------------------|-----------|
| Live Births           | ... | ... | ... | ... | 19.10                | 20.24     |
| Stillbirths           | ... | ... | ... | ... | 0.53                 | 0.96      |
| Deaths—               |     |     |     |     |                      |           |
| All Causes            | ... | ... | ... | ... | 11.50                | 13.19     |
| Typhoid               | ... | ... | ... | ... | 0.00                 | 0.00      |
| Scarlet Fever         | ... | ... | ... | ... | 0.00                 | 0.00      |
| Whooping Cough        | ... | ... | ... | ... | 0.02                 | 0.06      |
| Diphtheria            | ... | ... | ... | ... | 0.01                 | 0.00      |
| Influenza             | ... | ... | ... | ... | 0.15                 | 0.00      |
| Measles               | ... | ... | ... | ... | 0.00                 | 0.00      |
| Deaths under one year | ... | ... | ... | ... | 43.00                | 47.25     |
| Notifications—        |     |     |     |     |                      |           |
| Typhoid               | ... | ... | ... | ... | 0.01                 | 0.00      |
| Cerebro-spinal fever  | ... | ... | ... | ... | 0.05                 | 0.00      |
| Scarlet Fever         | ... | ... | ... | ... | 1.38                 | 0.60      |
| Whooping Cough        | ... | ... | ... | ... | 2.28                 | 3.18      |
| Diphtheria            | ... | ... | ... | ... | 0.28                 | 0.06      |
| Erysipelas            | ... | ... | ... | ... | 0.22                 | 0.00      |
| Measles               | ... | ... | ... | ... | 3.92                 | 2.52      |
| Pneumonia             | ... | ... | ... | ... | 0.87                 | 1.18      |





